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Major milestone

'Geologic Atlas of California' rolls off the press

By Forrest Bacon and Trinda Bedrossian

With the release last month of the master legend and formation index of the Geologic Map, the Division of Mines of Geology marked a major milestone--the publication of its 28-page **Geologic Atlas of California.**

The newly completed series is the fourth geologic map of the entire state published by the division and its predecessors.

The first relatively large-scale map of the state was published in 1891 by the division--then called the State Mining Bureau. At a scale of 1:750,000, or 12 miles to the inch, the map was titled **Preliminary Mineralogical and Geological Map of the State of California.**

In 1916, the second map to be published under the aegis of the State Mining Bureau was issued accompanying a bulletin entitled **The Geologic Formations of California with Reconnaissance Geologic Map.** This map used the same scale as its predecessor and listed 21 geologic units in its legend.

In 1938 a third map was published by the division--by then called the California Division of Mines--at a scale of 1:500,000. Consisting of 81 geologic units, this map was prepared by Olaf P. Jenkins, who was then chief geologist, and was far more detailed and accurate than those which had gone before. Eight separate sheets were not required to show the entire state.

Present effort

Work on the present **Geologic Atlas of California** was begun in 1952 when the supply of the 1938 map was exhausted. The new map, complied at a scale of 1:250,000 or one inch equals four miles, uses as a base 27 sheets of the latest revised Army Map Service V502 series topographic maps. The final, or 28th, sheet in the series is the **Geologic Legend and Formation Indexes.**

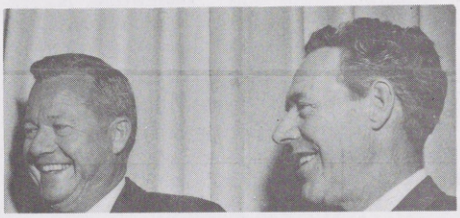
A mural mosaic of the entire map, covering an area 14 feet high by 14 feet wide, is displayed on a two-story inside wall at the Ferry Bldg., San Francisco.

With the exception of certain sheets which border on the ocean or adjacent states, coverage for the individual map sheets is two degrees of longitude by one degree of latitude, or approximately 7,600 square miles. Geology is shown over a subdued brown topographic base having a contour interval of 200 feet. The maps are available in full color or in a version in which geologic units, designated by symbol, are left uncolored. Water features are shown

(Continued on Page 8)

Why?

There's a very good reason for the smiles displayed here by Director Jim Stearns and State Forester Lew Moran. For the answer, check Page 3.



Governor explains

Employees hear a discussion of benefits package 'from the top'

By Edwin J. Gray
Associate Press Secretary
Office of the Governor

Governor Reagan has proposed "the most significant liberalization of fringe benefits for career state employees in almost a generation."

In remarks delivered at the California State Employees' Assn. Institute on Government in Sacramento on April 14, the governor called for a change in the current retirement formula which will amount to a 20 pct. increase in retirement benefits for virtually all career state civil servants.

"We are asking the Legislature to adopt amendments that will implement the so-called 'one-fiftieth-at-age-60' retirement formula for state, local and (non-teaching) school members of the Public Employees Retirement System--those who come under the general (miscellaneous) categories of the retirement program," he said.

The governor noted that "the basic

(Continued on Page 8)

How the governor views salary question

Turning to what he admits is a highly sensitive subject--salaries--the governor spoke out.

"Just as there should be no secrets between friends, there should be no sensitive issues between those of us who try to work harmoniously together to make state government work," the governor began.

"Although we have provided general and special pay adjustments averaging more than five percent for four consecutive years--more than 21 pct. in all--we were not able to include a general cost-of-living salary increase in the 1971-72 budget.

"This is the first time in my administration and the first time since the previous administration skipped a year in 1963 that the state government has been forced to ask its employees to forego a general salary increase.

"You are as familiar as I am with the national economic slump, the ever-rising

(Continued on Page 8)

Taft's young-at-heart gal retires

By Ray Rothermel

TAFT--Mable Hunt, first employed by the Division of Oil & Gas in 1928, will retire on May 28.

She is a senior stenographer in the division's Taft office.

Many division employees have worked with this young-at-heart "old-timer" at one time or another in their careers and they all speak of her with great admiration and love.

Mabel grew up in the Taft area when the town was a great oil boom town in the early 1900's. Upon her retirement, she and her husband are going to spend several months in the Cornwall, England area--and take a long-needed rest.

We will all miss her good nature and charming smile. So long, Mabel; bon voyage!

Mabel Hunt
. . . She's retiring

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Color the Laguna fire area green

By John Stewart
The San Diego Union

SAN DIEGO–Wildflowers and rich green grass have sprouted over much of the land devastated by the Laguna fire last September.

The five-day blaze cleared out choking underbrush and gave California poppies and a dozen other varieties room to put on their colorful show.

But they may not be around for long.

Their profusion belies the continuing dry spell which has (Division of) Forestry officials casting a wary eye at the growing fire potential.

In the January-through-March period just passed, only 1.77 inches of rain was recorded, the lowest for the period in 24 years.

Normal total

The normal total is more than 5 inches–over half the annual average of 10 inches.

"You can't really call this a drought but it is definitely a dry spell," said Ross LaPorte, weather service meteorologist.

John Morrow, ranger for the CDF here, said a month ago: "I'm hoping we can put off opening the fire season . . . we didn't get near as much rain as we'd like and what we did get came too early."

"The seeding of the burned area didn't go as well as we would have liked," Morrow said. "Not enough rain, too much cold weather, a number of things, kept it from taking hold.

"After 29 years in the business I've learned to take them as they come," he said. "But we've got the fuel, we have the people –which means fires– and you add some easterly winds and you've got trouble."

Supervising engineer exam scheduled for Oil & Gas

By Jim Walton

LOS ANGELES–Candidates in the promotional examination for supervising oil and gas engineer are scheduled for interview with the Employee Development Appraisal Rating Committee here on May 6.

Fifteen applications were accepted by the State Personnel Board from senior engineers in the Division of Oil & Gas and the Division of State Lands.

Ed Gladish, assistant director of the Department of Conservation, and Wesley Bruer, state geologist and temporary state oil and gas supervisor, are members of the EDA Rating Committee.

It is anticipated that an appointment will be made in the Inglewood office of the Division of Oil & Gas after the eligible list resulting from this examination is established.

Ranger Bob Kerstiens named Tehama fair board member

RED BLUFF–Appointment of Ranger Robert J. Kerstiens as a member of the Tehama Totem Fair board has been announced in Sacramento by Gov. Reagan.

Kerstiens, a ranger since Nov. 1, 1970, is assigned to the Tehama-Glenn Ranger Unit at Red Bluff. He has worked in that unit since joining the Division of Forestry as a seasonal fire fighter on July 7, 1943.

The non-salaried fair board assignment is for a four-year term. Kerstiens replaces Frank H. Spanfelner, who did not seek reappointment.

A smelly story

Lady complains to Division of Soil Conservation about offensive odor

PACIFIC GROVE–After turning to about every other official agency she could think of, a Pacific Grove housewife took her problem to the Division of Soil Conservation headquarters in Sacramento.

The problem, the woman explained, was "some form of gas" which she said was coming from her floor furnace.

She tried sprays, left doors open--and spent $800 to have the underpart of her house termite-treated. No luck, she added.

"I have headaches, dizziness and cough if I walk through the living room or stay in the room for even 10 minutes," the writer told the division. "For six weeks, I have kept my rear door open for six hours a day and I still can't stay in my living room," she complained.

The letter concluded on this simple note: "Have you any solution?"

Sven Anderson, Division of Soil Conservation staff assistant and correspondent for the newsletter, received the assignment to reply to the letter. "It shows the mixture of letters we get . . " Sven said.

To the troubled housewife, Anderson admitted the division is stumped. "I can't imagine what would be causing it, or why it should continue to persist for so long a time," the woman was advised.

After reviewing a few possibilities, Anderson suggested the woman contact her utility company and ask it to check her floor furnace for dead animals. Or, he added, perhaps the county health department might be able to help identify the odor or gas and determine the source.

Hanshaw fatally stricken

FRESNO–Robert Hanshaw, 50, Fresno, a former CDF foreman and dispatcher at Fresno Ranger Unit and South Sierra District headquarters, died April 14 while boating on Millerton Lake. He had been on disability retirement because of a heart condition since 1969.

Hanshaw spent his entire forestry career in the Fresno area, after starting as a fire truck driver at Coalinga in 1953. He was promoted to station foreman in 1956 and soon assumed dispatch duties at Sanger, transferring to the district office in 1962 and returning to Sanger in 1967.

Funeral services were held in Fresno with honorary CDF attendants.

25 years for Tobe

Deputy State Forester Tobe Arvola was the surprise recipient of his award for 25 years of state service during a luncheon gathering of the Executive Advisory Committee early in April. Arvola began his career with CDF as an assistant ranger in Sonoma County in April 1946.

Bringing home the training

FORT BRAGG, Mendocino Co.–Fire and police training for a professional person living "out aways" can require quite a bit of travel.

However, Division of Forestry employees here are joining with those of other fire and law enforcement agencies to bring training classes closer to home.

College of the Redwoods at Eureka has a branch campus here and a public safety advisory committee has been established. One member of the committee is Asst. Ranger Emery Escola of the Division of Forestry. The committee chairman is Chief of Police Thomas W. Jondahl; another committee member is Mrs. W. F. Grader, wife of the former assistant secretary (then called administrator) of the Resources Agency, super-parent of the division.

J. R. Patterson, a former Fort Bragg school superintendent who now serves as College of the Redwoods coordinator in this coastal community, explains that the classes offered "are those that will upgrade the professional and specific skills."

I'd like to be a bear

CAMINO, Placer Co.–The eight-year-old son of a Division of Forestry fire captain here is the author of a short story, **I'd Like To Be A Bear.**

Steven Hughes, a second grader at Camino Elementary School, is the son of Capt. Harold Hughes, assigned to the Mt. Danaher headquarters at Camino.

The story:

"I'd like to be a bear because I could climb lots of trees and eat honey.

"It is fun catching fish in the river.

"One time there was a fire and the forest rangers come with fire trucks. It burned all the trees and the fish died in the stream.

"The rangers took me and I was called 'Smokey the Bear'. I lived in Washington, D. C. and I was brave.

"In Washington, I was happy and I felt really good and I lived in Washington, D. C. all my life."

Forestry's new badges being distributed to field personnel

'Captain' Moran gets pinned up

The title on the badge says "captain"--but it doesn't mean State Forester Lew Moran has been demoted. It's just a gimmick for the photographer to get a picture of the new badge--and that's Sharon Main, a headquarters secretary, pinning the badge on "Captain" Moran. She's a gimmick to make the picture nicer to look at. Oh--and don't believe it if somebody says Director Jim Stearns is smiling at the badge. Or the state forester.--Photo by Dept. of Water Resources.

The Division of Forestry's new shield badges have been distributed for use by permanent employees.

The shields--2,200 of them--are silver with green "ribbons" containing the employee's title and "Div. of Forestry," with a colored California state seal in the center and a replica of the California bear on top.

The badges will be distributed to captains, engineers, fire prevention officers, crew foremen, equipment operators and Schedule A firemen.

Each shield is numbered--and to prevent any hassle over No. 1, it will be retained by division headquarters in Sacramento "for display and exhibit purposes."

Otherwise, numbers have been assigned simply on an "arbitrary" basis of the lowest numbers going to the North Coast District and then the numbers get higher by district on a north-to-south basis. Why does the North Coast District ("District 1") get the lowest numbers? "No reason whatsoever," says a division spokesman.

Director Stearns and State Forester Lewis Moran were summoned one day last week for a picture-taking session with pretty Sharon Main, secretary for Forestry's safety coordinator and training officer.

The director, although a willing participant--especially after learning from Information Officer Jerry Newton that Sharon spent several hours under a hair dryer just for the picture-taking session--sighed and wondered how Forestry was going to deal with the "two thousand requests they're going to get for Sharon to come and pin badges on everybody!"

Name tags

In a related development, distribution of name plates for seasonal fire fighters has been completed in accordance with instructions issued by Director James Stearns. The plastic plates include the wording "Division of Forestry" and an area for the seasonal employee's name.

New, green plastic name plates engraved with the name of permanent division employees will be distributed about July 1.

Seasonal fire fighters will also be required to purchase and wear a CDF shoulder patch this year, just as permanent employees are required to do.

New publications ordered for Soil Conservation Division

The Division of Soil Conservation will soon receive a new supply of booklets published by the Soil Conservation Society of America for filling requests for soil conservation information.

A set of four booklets, written primarily for school children, and in the form of "comic books" has been ordered.

'California Geology' issue has complete details on earthquake

California Geology, technical publication issued monthly by the Division of Mines and Geology, has "hit the streets" with the first comprehensive report of the earthquake which hit San Fernando Valley in February.

"This report doesn't just say where the damage was, it tells why the damage occured," explains **California Geology** Editor Mary Hill.

Copies are available at division offices for 50 cents each; or by mail.

The special issue, combining the usual April and May editions, was prepared entirely by the division staff. Some "outside" input is present. The issue also contains many illustrations of the damage.

Amador-El Dorado personnel assist Scouts with project

By K. R. (Dick) Goings
Unit Forester

GEORGETOWN, El Dorado Co.--Division of Forestry headed up the forestry and conservation education portion of a Boy Scout Conservation Camporee held here the weekend of April 17.

The camporee was an integral segment of the Boy Scouts of America SOAR (Save Our American Resources) project for the El Dorado County boy scouts.

Primary purpose of the conservation camporee was to allow the nearly 200 Scouts in western El Dorado County to be of special service to the people of California by completing a community conservation project.

To fulfill this purpose, Amador-El Dorado Ranger Ted Waddell and his employees supervised the Scouts in planting a large number of donated forest tree seedlings in the Bottle Hill area north of Georgetown.

In addition to planting the forest seedlings, forestry personnel instructed the Scouts in vegetation identification, forest ecology and wildland firemanship. This instruction completed some of the field work requirements for the Scouts so that they might receive their forestry and conservation merit badges.

Volunteers say thanks

First fire of year burns near Bishop

BISHOP--The first forest fire of 1971 for the Division of Forestry blackened some 3,000 acres north of Bishop in March.

Division efforts to control the fire--which, for a time, threatened the city of Bishop itself--won the praise of Chief Walter Primmer of the Bishop Fire Department, a volunteer organization.

"Without your help, we would possibly have been in serious trouble," Chief Primmer said in a letter to Ranger John Clark.

"It makes one feel good to see cooperation such as this when . . . all we see is the country going to pot," the chief told Clark, adding: "It gives a new faith in the human race."

Fire Academy

It's heavily used and it provides an important training need

By M. B. (Mitch) Finberg
Senior Civil Engineer

IONE, Amador Co.–The Division of Forestry has much to be proud of in the Fire Academy complex it has established here.

The main facility, completed in 1967, is heavily used and is meeting a very important training need for forestry employees.

Although several training centers had been put together and supported essentially by "bootleg" means for many years, the concept of a truly modern facility developed in earnest during the early 1960's. At that time, the program scope for a comprehensive training center was developed in detail and has been fulfilled remarkably close in reality.

Planning and design work based upon that scope took place during 1964-65 and the initial construction start n the administrative and classroom complex came the following year.

Deputy State Forester L. T. (Pete) Petersen, Asst. Deputy Jerry Reinecker, Training Officer Jeff Snow and personnel of the former District III reviewed the overall master plan and reached final agreement on the specific location for an advanced "specialized fire training exercise area." With that determined, mechanical engineer Bill Wong, with the aid of architects Norman Doty and Charles Thomas, began the detailed design work culminating in approved working drawings for the second phase of academy construction.

Construction Work

Although the initial construction for the specialized fire training area began in 1968, the work was necessarily accomplished on an intermittent basis under the direction of Ranger "Buzz" Whitlock, using inmate and ward crews. The slowdown occurred primarily because of poor weather conditions during the winter months and lack of construction crews, kept busy elsewhere because of fire duty.

However, persistence paid off and most of the facility was available for class use during 1970. The final two specialized exercise items were completed early this year so the most recent basic fire control classes have now had an opportunity to use all items.

The facility is comprised of a large, specially prepared, built-up area reached by a circuitous road leading from the main administrative area. The road is designed in such a way that an emergency fire fighting approach requires good driving skill.

Basic grounds are 360 feet long and 130 feet wide with curbs, gutters and holding ponds arranged to intercept and contain oil and water spill-over to avoid watershed pollution.

At the western-most edge of the large pad there is a combination toilet and storage building plus a petroleum fuel pumping station. The various fuels required for the fire exercises are contained in a 4,000-gallon diesel tank, a 500-gallon gasoline tank and a 500-gallon LPG tank.

There are five general types of exercise items affording a variety of fire fighting exercises.

Lots of tanks

First, there are several configurations of oil spill tanks including a saucered pad, rectangular and circular open tanks and an irregularly-shaped ground level oil spill simulation tank.

Next, there is an LPG fire exercise consisting of a valved nozzle which directs highly flammable liquid fuel against a metal baffle to simulate a pipe break. Another effective item consists of a raised fuel tank with access by stairway to simulate an oil dock fire situation.

Gasoline refinery-type fires are typified by the leaking flange and "Christmas Tree" exercise items which utilize a gas-oil mixture under fuel line pressure conditions. The "Christmas Tree" is a tree-like structure made of pipe with a central pipe trunk feeding pipe branches which spew fuel in all directions.

Finally, there is the specially designed two-story concrete block structure resembling a residence or small commercial building in which fires can be set and ventilation practices utilized to control the fire.

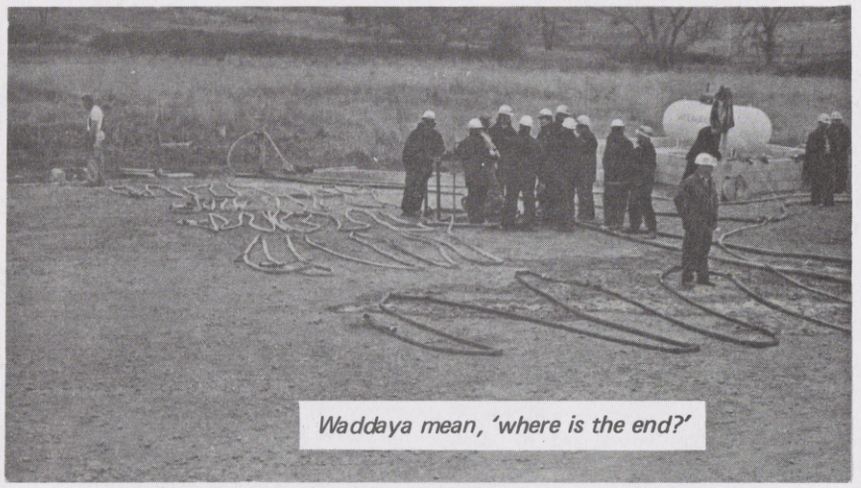
For the open fuel tank exercises, the basic object is simply to extinguish a relatively passive fire. These are always the first type of fires utilized in training. On those exercise items where fires are fed by fuel under pressure; the object is to deflect the flame in order to reach shut-off valves and stop the fuel flow.

The specialized fire training area is used primarily for training permanent forestry fire captains and forestry apparatus engineers and has been well received.

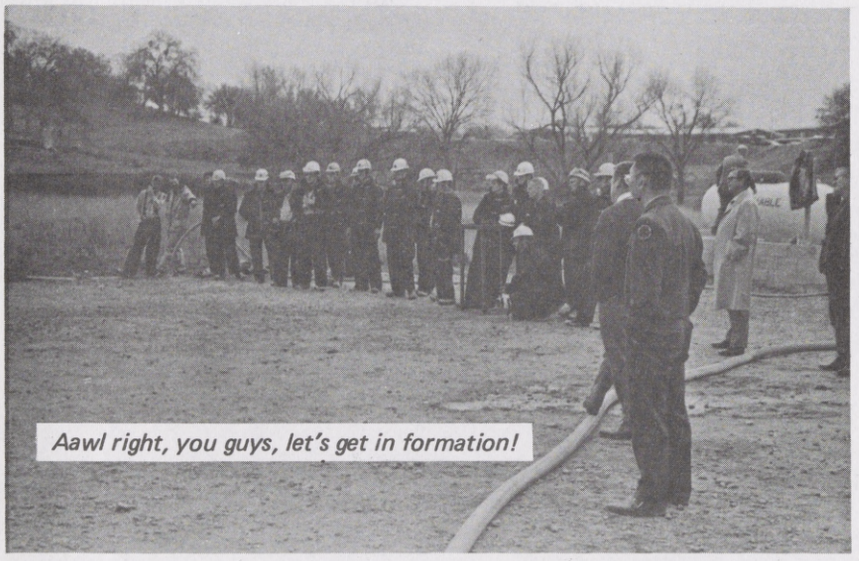
Don't be scared, Joe. He's had the driver training course at the Fire Academy! --Cartoon by Charles R. Powers, CDF Redding.

Facilities provide crews with 'tools to learn'

"Sssshhhhhhhh," says Ranger Hector Reed. Let's ALL get together.



Waddaya mean, 'where is the end?'



Aawl right, you guys, let's get in formation!

An invaluable experience

Academy administrator Joe Griggs and Rangers Hector Reed and Ivan Phillips, who have direct control over the area, feel this is an invaluable experience for the men, as many have occasion to fight specialized types of fires only infrequently.

There are impressive sights and sounds associated with the fire training received at the specialized fire training area which must be seen and heard to realize the terrific heat generated and the nerve required to stand up against it.

Being able to ward off and extinguish fire generating several million B.T.U:s of heat per minute is just one of the many facets of the overall training required to keep the division's fire fighters on top.

Novel about forest fires and killers may become a movie

The suspense novel by Sacramento's Pat Stadley, titled **Autumn of a Hunter,** was reprinted in England by the Collins Crime Club; was translated and printed in Germany under the title, **The Hunter is Free;** and is being scrutinized by Hollywood movie makers.

This story about professional killers involves ficticious Division of Forestry personnel in a Sierra district. that was deliberately not identified.

The novel has received any fine reviews; but Mrs. Stadley is perhaps most gratified by the complimentary letter that came from a woman in New York who had read the book to her husband, a retired U. S. Forest Service ranger.

Authoress Stadley is noted for the great effort she makes to accomplish technical accuracy. And the division persons who helped her build a nasty storm and suppress a forest fire all enjoyed the experience. Those who received a generous acknowledgment were Mike Brock, Bob Burns, Len Chatten, Ray Clar, Sterling Damgaard, Louis Gerlinger and meterologist Bill Innes.

Autumn of a Hunter is now in its second printing by Random House.

Claims office

Thelma Burn retires

By Carolyn Budler

After 25 years of service with the State of California, Thelma Burn is now retiring.

Ten years of her state service have been on the same job with the Department of Conservation in the claims office.

On April 2 a "coffee" was given for Thelma by her cohorts in the Claims Office. Alfred S. Roxburgh, assistant director-management services, presented Thelma with a "25-years service certificate," and a 25-year pin in recognition of her state service. She also received one each of all the homemade cookies baked for the occasion.

A retirement luncheon was held at Posey's Cottage in Sacramento on April 30. During the informal luncheon, Thelma was presented a gift from her friends.

After her retirement, Thelma plans to spend some time "just enjoying life"–which probably means visiting her daughter, Mrs. Doreen Sadilek, in Burbank, and her son, Navy Lt. Cmdr. Reed Burn, in Vallejo.

Sorry–no charge

SAN DIEGO–It's a bit unusual to get anything for free these days–even ice.

San Diego Ranger Unit headquarters, however, discovered that when a check for $79.36 was sent to Union Ice Co. for ice purchased for use during the fires last September and October, the money wasn't wanted.

The company returned the check, Asst. Ranger R. G. Marshall reported, because the ice had been donated.

Director's Message

The camp problem

Every avenue is being explored in our effort to prevent closure of five conservation camps on Sept. 1, but I cannot tell you with certainty at this point in time that all–or any–of our approaches will be successful. We are hopeful, and there are many good signs.

As you know, the rather rapid decline in the population of our state prison system, especially where "low-risk" inmates are concerned, has dictated the closure of five camps.

Assistant Director Ed Gladish, Deputy State Forester "Pete" Petersen, Asst. Deputy George Phibbs and others have been devoting a great deal of attention to alternative uses of the camp facilities. Some counties have expressed an interest in contracting with the state; there is a possibility of utilizing conscientious objectors to military service as some type of "conservation corps"; or welfare recipients might somehow be used to man the camps.

Equally important to many of you is my determination to **prevent any personnel layoffs** during the transition from inmate crews to other sources of manpower, whatever they may be, in the camps.

One thing is, of course, quite clear: We must have the ready reserve of manpower for fire suppression work, and since the prison population continues to decline, a suitable substitute must be found.

James G. Stearns, Director

Stuver retires

Stuart T. Stuver, equipment maintenance foreman for the Division of Forestry in San Deigo Ranger Unit and a CDF employee since April 1, 1943, has retired. He also served six years with Division of Highways. "Stu" is shown here with a model dune buggy--made from a cresent wrench and other tools--presented at a retirement banquet earlier this year.

Other duties as necessary?

By San Bernardino Evening Telegram

ETIWANDA, San Bernardino Co.–Forestry workers aren't often called upon for corral duty, but it happened here recently.

The Division of Forestry was notified that a dozen cows were missing from the Yorway Ranch, located at the extreme end of Etiwanda Ave., just north of Etiwanda.

Fearing the cattle may have escaped via a firebreak under forestry maintenance in the area, four forestry units joined the search, said spokesman Dennis Bebensee.

At 4:30 p.m., shortly after a hole was discovered in the ranch fence, the cows were found in the Etiwanda Canyon area. The cattle were rounded up and herded home by forestry scouts, led by Asst. Ranger Howard LaPlant.

The four forestry workers-turned-cowboys were then returned to more routine duties.

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One good Turner deserves another?

Editor:

This is how to be an achiever:

Today's world is full of individuals with different points of view, different desires, different goals. These individuals pull in all directions. The efforts of some cancel out the success of others. So how is progress made?

Progress comes from the efforts of those individuals with definite goals and plans to attain them. These indivials, men and women, get things done. They achieve. Without these dynamic people, progress would be very slow.

We all like things to get better, but improvement doesn't automatically happen. Achievers make improvements happen. Be an achiever--make improvements!

"The Old Felosaphur"
–Ruth Turner

'Moonshine stills have caused forest fires in California'–Ray Clar

Editor:

Ruth Turner deserves an answer to her question on Page 6 of your April issue. There have probably been a number of fires started by moonshine stills in California. But one in particular was serious enough to be remembered: It happened on one of the blackest days in our forest fire history.

On Sept. 17, 1923, north wind and extremely low humidity permitted hundreds of fires to run wild. This was the day that a grass fire sneaked over the hill from Wildcat Canyon into Berkeley and destroyed $10 million of structural property. I was a personal witness to this disaster.

In a dark redwood canyon between Guerneville and Armstrong Grove State Park (in Sonoma County) a private entrepreneur had been quietly distilling alcoholic spirits contrary to the law of the land. On this fearful day his rupturing still blew fire into the surrounding vegetation. The ensuing fire burned to the Pacific Ocean. Residents of my home town of Guerneville piled furniture and valuables into railroad boxcars ready for transport in whichever direction seemed to offer most safety. Fortunately only a few peripheral structures were lost.

It was no doubt this holocaust which persuaded the County of Sonoma to enter the State Board of Forestry cooperative fire protection system. (There was no Division of Forestry at this date.)

Ray Clar
CDF-Retired

Assignment changes for Mines & Geology personnel

Several staff reassignments among Division of Mines & Geology personnel have been announced by Division Chief Wesley Bruer.

The changes include:

Quintin Aune and William Clark exchange between the Sacramento district office and division headquarters; Clark moves to headquarters.

C. Forrest Bacon and Carl Hauge exchange with Hauge going to the headquarters office.

Rudolph Strand will now be Sacramento district geologist and Robert Matthews will work out of the headquarters office as basic geology coordinator.

John Burnett moves from San Francisco district office to Sacramento headquarters as geologic hazards coordinator.

Camp crews involved in several searches, rescue missions

By D. W. Paulsen
Administrative Officer
Shasta-Trinity Ranger Unit

REDDING--Shasta County personnel of the Division of Forestry participated in a March 29 search for a 60-year-old man who was lost in the Boulder Creek area near Whiskeytown Lake.

Wayne Jacki, who had not been heard from since he went to a summer home area six days earlier, was found about a quarter mile from his cabin--his face badly cut, his eyes almost swollen shut, one shoe missing, his hands cut and swollen beyond use and he could not walk. But he was still very much alive.

Jacki was treated at Mercy Hospital in Redding and was later listed in satisfactory condition.

Personnel consisting of Asst. Ranger Leo Stout, Capt. G. A. (Pat) Dooley and Engineer Bob Funchess, along with Fire Crew Foreman Gordon Clough and inmates from Crystal Creek Conservation Camp, were called upon to assist Shasta County sheriff's department in the search for Jacki.

GARBERVILLE, Humboldt Co.--An inmate crew from Eel River Conservation Camp found two boys missing two days in rugged terrain east of here; one youngster was dead and the other suffering from shock and exposure.

Two Eel River inmates found the boys in a dry wash about 20 miles from Garberville following the two-day search early in April.

Correctional Sgt. John Fuqua, also of Eel River, suffered an apparent heart attack during the search.

Mountain Home timber sold at four times estimated value

By Karl M. Kidder
(in the Fresno Bee)

VISALIA--Several eyes, and mouths, too, opened wide here one day recently when three sealed bids were opened on a timber sale deep within the Mountain Home State Forest.

State Foresters have cruised the 292 acres in and around Dogwood Meadow and the old Hedrick's Pond mill site measuring the board feet potential of the trees to be cut.

They estimated the volume of sugar pine, white fir and incense cedar to be logged at right around five million board feet. On this they set a price of about $45,000 as an absolute minimum.

When the bids were opened, it was found the Sierra Forest Products of Terra Bella was the winner. And what a winner!

"Their bid was for $185,356, or almost four times our absolute minimum," says Dean Schlobohm, the timber management officer for the Division of Forestry's (South Sierra District).

Moneywise, the sale is the largest ever recorded in the alpine country purchased by the state in 1945, primarily to protect the few remaining stands of Sierra redwood. None of the giants will be sacrificed in the harvest scheduled to get underway as soon as the snow is gone from the 4,500-foot level near Balch Park. Some of the 20,000 board feet of dead and down redwood will be salvaged in the sale.

Schlobohm and Forest Manager Dick Schoenheide recall that when the acreage was purchased nearly 26 years ago (at a price of $600,000), about 80 million board feet of the timber present was in redwoods. "None of this has ever been touched," they say.

There was another 47 million b.f. of pine, fir and cedar considered merchantable. Some 22 million b.f. was immature.

In the old days of controlled timber harvesting, hundreds of redwoods were taken almost annually. It was this threat to the remaining Semper virens that led to the state's acquisition of the forest.

In the intervening years, loggers have purchased about 54 million b.f. of Mountain Home's timber. The recent sale will boost the total to nearly 59 million.

"By the time this harvest is concluded next fall, the forest will still have almost the same board footage it had when the state first acquired it," Schlobohm says.

He notes that sales to date have almost--but not quite--returned the state's initial investment of $600,000 in the purchase 26 years ago. A few more sales will do it, he says.

Dave Burns: Flyspecker

The news article on the Mountain Home State Forest timber sale was "flyspecked" for technical errors by Forester Dave Burns in Sacramento headquarters--just to "double-check."

And, expert flyspecker that he is, Dave found a few "picky" errors.

For example, looking at a map of the forest, Dave says the sale was actually along the borders--not "deep within," and the volume included ponderosa pine--but not a heck of a lot.

What's more, Dave notes, the state bought the forest and officially signed the papers Jan. 28, 1946--and that's closer to 25 years than 26.

Oh, and the elevation of 4,500 feet really is closer to 6,000.

Some guys can find mistakes in anything, and Dave Byrnes is such a guy! (but we asked for it.)

Observers said it is "really hard to say" why the high bid was four times the estimated value. Three bids were received; the lowest was $57,800 and the second $90,240.

Fire agencies study problems at Bass Lake conclave

By Dick Ford

BASS LAKE--Special problems facing fire protection planners and fireline strategists were aired before inter-agency representatives attending the Southern Sierra Forest Fire Conference here on April 15-16.

Panelists explored problems and coordination needs in land use planning and the decision-making process in a key two-hour discussion. Panel authorities were: Jim Mace, chairman of the El Dorado County Planning Commission and retired CDF district deputy; Don Wolfe, director of the Tulare County Planning Department; Don Knowlton, South Sierra District deputy state forester; and Robert Flynn, fire control officer of the Sierra Forest.

Fire problems studied focused upon aerobic aspects.

Equipment displays and business and committee meetings were scheduled for the second day's program.

Attending from El Dorado to Kern County were representatives of the Division of Forestry, Forest Service, National Park Service, Kern County Fire Department and the Bureau of Land Management. Asst. Chief Lyall Washman of the Kern County Fire Department was program chairman.

Mexico sends 'Bomberos' across the border for training exercise

SAN DIEGO--In an act of international cooperation, San Diego Ranger Unit participated in a special training program for 137 visiting firemen from Mexico earlier this year.

The program, sponsored by California Fire Chiefs' Assn. and coordinated by San Diego Fire Chiefs' Assn. under chairmanship of Division of Forestry Ranger Jack T. Skeels, is viewed as a "tremendous success."

Many forestry employees were involved, including Fire Crew Foreman Andy Urias of Morena Conservation Camp, who acted as translator with the assistance of Capt. Louis Sanchez of San Bernardino Ranger Unit.

Tijuana Fire Department, headed by Chief Samuel Melendez, was the "staging area" for the Mexico visitors, who were then housed in groups of one to nine with various San Diego fire departments. Nine stayed at CDF headquarters at Monte Vista.

Viewing the many last-minute arrangements necessary for the hosts, one observer made this comment: "It's amazing how well the fire service is geared to 'stay loose' and meet situations as they arise."

The week of training in various aspects of fire control concluded with an elegant "farewell" dinner highlighted by a keynote speech from Fire Chief Matthew Jimenez, Hayward, president of the Internal Association of Fire Chiefs.

A new innovation this year was in providing each visiting Bombero with a specially-designed decal and matching embroidered shoulder patch for their uniforms.

Forestry graffetti

The following was scratched across a "no smoking" sign in a hazardous fire area: "Smokey the Bear disapproves of self-immolation."

Geology Atlas project finished

(Continued from Page 1)

in color in both versions and submarine contours are depicted with a 300-foot interval.

One hundred and twenty-four different geologic units representing rocks of differing age and lithology show the distribution of major geologic structures and rock types in California. Faults or extensive breaks in the rock crust are represented by heavy black lines and those of major importance are named.

Each map is accompanied by its own explanatory data sheet which includes a bibliography of the geologic mapping used in preparing the map together with an index map and a table of stratigraphic nomenclature.

Because a demand arose from those who desired to keep their map sets together in a bound library form, an attractive loose leaf binder was designed and made available to the public. The 16½-by-22½-inch binder, covered in green buckram with gold lettering, will accept all map sheets together with their data sheets.

Some acknowledgements

The **Geologic Atlas of California** is designated the "Olaf P. Jenkins Edition" in honor of the man who served the state 29 years, first as chief geologist and later as chief of the Division of Mines, and who provided impetus and direction for this project in its earliest stages.

Although contributors to the map are many–from industry, state and federal agencies, universities and colleges--the process of compiling the vast amount of data was undertaken by the division staff. Charles J. Kundert headed the project and under his direction the first maps in a preliminary, uncolored edition were produced. Early in 1956, Kundert left the division and Charles W. Jennings was assigned the state map project. It is he who has guided the project through to its successful completion.

A number of persons, both past and present members of the division staff, have made important contributions to the preparation of the map. To list them all would be to list most of the members of the staff. Those who are credited with compilation of individual sheets in the series include Quintin Aune, Charles Bishop, John Burnett, Thomas Gay, James Koenig, Philip Lydon, Robert Matthews, Thomas Rogers, Arthur Smith, Rudolph Strand and Bennie Troxel.

The division is presently preparing, on a new 1:750,000 scale base, a multi-purpose state geologic map. This map, part of a federal Housing and Urban Development-sponsored statewide planning study, will emphasize Quaternary faults and volcanic phenomena, but will be placed in perspective with the geologic framework of the entire state.

How to order

Copies of the present **Geologic Atlas of California** may be purchased over-the-counter from the division at any of its three district offices--Los Angeles, Sacramento and San Francisco.

Employees hear 'from the top'

(Continued from Page 1)

retirement allowance formula for these categories of state employees--almost 90 pct. of our career state work force–has not been changed in more than 20 years.

"The effect of this change will benefit both the individual employee and the civil service system as well. For the individual, it will mean that a career state employee may retire with maximum retirement benefits at age 63 rahter than age 65.

"There would be a five-year vesting period to establish an employees permanent stake in the retirement program and the overall retirement program will also provide better protection of benefits for employees who transfer from agency to agency.

"The mandatory retirement age also will be lowered from the present maximum of 70 to 67," the governor explained.

'Most significant'

"This plan–which we believe is the most significant liberalization of fringe benefits for career state employees in almost a generation--will enable many of our long-term career employees to claim their retirement benefits far earlier than under the present program. And this, in turn, will open up new promotional opportunities for the younger career employees waiting to move into middle and top management positions," Gov. Reagan added.

The governor said the improvement in the retirement program will be accomplished at "minimal cost to the state" largely because of the improving earning condition of the public employee retirement system fund.

Present retirement benefits are based on an anticipated 5¼ pct. earnings from the retirement fund's investment program. Because of recent increases in interest rates, along with good performance by common stock investments, the governor said the fund's earnings potential has been "strengthened sufficiently to anticipate an interest return of 5¾ pct.

Gov. Reagan's 1971-72 budget also includes an $11 million fringe benefit package for state employees, including $7.7 million for time-and-half benefits, $3.3 million to finance night differential pay for employees required to work regularly in the evening hours and $234,000 to extend unemployment compensation to state employees for the first time in the state's history.

Louis Baldwin

Baldwin honored for 25 years

SAN DIEGO–Louis E. Baldwin, assistant state forest ranger in the Campo district of San Diego Ranger Unit was presented with a 25-year service award recently by State Forester Lewis Moran.

Baldwin was pleasantly surprised when a meeting presided over by Director James Stearns and Moran opened with the service award presentation.

Baldwin has been an assistant ranger in San Diego Ranger Unit since July 1954 and, according to him, "Campo is the best area in this state."

Prior to working in San Diego County, Baldwin served in Orange County as a forest fire fighter foreman since 1945.

Governor

(Continued from Page 1)

welfare load and the subsequent unemployment that began affecting our revenues and costs last year. This economic downturn has had a severe impact on anticipated state revenues, not only in California but across the nation. At the same time, costs for welfare and other state services have gone up due to inflation.

"The combined financial squeeze forced us to impose the utmost budgetary restraints this year.

"No one realizes more than I do that this works a hardship on career state employees. And certainly my request does not mean that I think our hard-working civil servants are undeserving of a raise. The fact that the average general salary increase in the previous four years was higher than the amount granted during the previous four-year period I think indicates that what I have proposed for the next year's budget is something of an emergency action.

". . .Because this is an unusual year, I hope that we will have–if not your joyous acclaim–at least your reluctant acceptance of a difficult situation and understanding of the hard fiscal realities that forced us to ask this sacrifice of you."

Riverside Ranger Unit lauded by Riverside supervisors

RIVERSIDE--All stations in the Riverside Ranger Unit, both county and state, were recently honored by the Riverside County Board of Supervisors.

(An earlier story, regarding presentation of the award to Division of Forestry personnel in Beaumont area, appeared in the last issue).

Board of Supervisors voted their "distinguished service award" to the 43 stations in the unit as an expression of the board's recognition and appreciation for the outstanding service rendered to the citizens and the public of Riverside County during the 1970 fire season.

Mission impossible?

When the going gets rough, call Service & Supply

By Carolyn Budler
Staff Correspondent

To provide centralized office services for the Department of Conservation, including the Division of Forestry, the Division of Mines and Geology, the Division of Soil Conservation and also the Secretary for Resources, with a prime consideration of obtaining the lowest possible costs is the purpose of the Management Services' Services and Supply Office.

Working to achieve this objective are Fred Schoener, supervisor; Herman Lalk, Mike Evans, Steve Stevens, Cecil Trent and Mike Watkins. Mike Watkins, a professional bowler with three 300 games, seemingly works for the state as a hobby since he makes as much some months bowling as he is paid by the state. But for all of you who are saying to yourselves, "Why not a little extra green," remember a 208 average requires that Mike practice for at least one hour six days a week–after work, of course.

Antique cars

Fred and Steve are antique car enthusiasts. On weekends they can be found with other "old car buffs" driving their cars along California highways--Steve in his 1931 Model A Ford and Fred in his 1929 Model A Ford pickup.

As can be seen after a visit to the Service and Supply area, it is a world of its own. To fully appreciate this world, we must take a trip to the warehouse, away from the suit-and-tie crowds.

As we step into the freight elevator, there are several persons delivering their different-sized packages with handcarts and another with his "mailcart-on-wheels."

Once on the first floor and out the back door, we unlock the door to the mailroom and leave our mailbags and cart. Jump in the pickup and off we go to the warehouse. At the warehouse, we find we're in downtown Sacramento at a metal frame building with an alley entrance. After rolling back to the metal door, we step over a one-by-12-inch board which has been placed their to keep out the leaves.

Like, out of sight

Inside, it is not at all what we expected. Everything is neatly placed on 10-foot shelves. The floors are shiny clean. The enclosed office in the corner is well-lighted. In the office we find the three men, who all too often are out-of-sight and out-of-mind, hard at work.

Mike Evans and Cecil Trent are devoting their energies to the task of preparing Mines and Geology publications for mailing. This involves processing numerous requests from private individuals for any of the approximately 1,225 bulletins, pamphlets, maps and hardbound books written and published by Division of Mines and Geology personnel. Mailing these materials and the monthly publication, **California Geology**, to foreign countries as well as within the United States requires a diversity of knowledge of postal regulations.

Maintenance of the 20,000 address plates to mail **California Geology** includes making a new metal plate for each address change or new subscription. On their regular mailing list are such places as Zambia, Fiji, the Soviet Union, Australia, Republic of the Congo, England, etc.

Cecil's and Mike Evans' workload peaks are near the first of the calendar year, they tell us, when subscription renewals are received. These tasks were inherited from the Division of Mines and Geology when the headquarters office of the division was moved to Sacramento from San Francisco.

Since the Los Angeles earthquake, they have received a large volume of requests for the **Geologic Map of California.** Thanks to a misprint in a Los Angeles publication, we're told, most of the requests are addressed to Room 1533 in the Resources Building--a room which incidentally does not exist, but simplifies the mail handling.

Fire prevention

Herman Lalk is busy preparing packages of fire prevention materials for the Division of Forestry district offices. He spends the majority of his time meeting forestry needs in the areas of supplying forms and fire prevention materials to the Forestry district offices.

Fire prevention materials originate from two sources:

–The fire prevention section, which includes suggestions from Forestry field personnel as well as work done by the Engineering and headquarters Fire Prevention staff. Fred submits requisitions for the materials to be printed, which Herman then distributes to the district office. A "hot item" now is the $6 Pre-School and Early Elementary Conservation Fire Program Packet.

--Material received from the U. S. Forest Service, which Herman divides into equal parts for the five districts, retaining only a small portion for Sacramento. He then ships it to the district offices.

Lucky break

At times when s large as a 12-page requisition is received from the field–usually twice a year--Mike and Cecil pitch in to help Herman. These materials are sent by common carrier to the districts if they weigh from 100 to 4,000 pounds.

Luckily, no two districts have ever sent a requsition of this length at the same time. Each individual district's natural spacing just happens to accommodate this, so we are told.

By now we have noted that the warehouse is quite a busy place with persons in and out delivering material all the time we've been here.

But is is time for us to grab our three mail sacks and be off. First to the post office, then back to the Resources Building. We pick up our cart on the first floor and take the freight elevator back to the 15th floor to visit Fred's office.

Fred's office is found mixed among the shelves of supplies which are kept stocked for the use of Management Services personnel. Here we visit with Mike Watkins and Steve Stevens about their duties.

Each morning after checking out a truck from the State Garage, Steve picks up the mail at the U. S. Post Office. The mail is then sorted and distributed to each division for distribution by division personnel.

Four deliveries

Four times during the day all Management Services personnel receive their mail via mailman Mike Watkins, who is always ready with a cheery greeting. These men must be jacks-of-all trades for they are required to serve as movers, typists, errand boys and last, but certainly not the least, copy machine-fixers.

Once a month, they share with the Personnel Office the responsibility for assuring that field employees receive copies of this publication and pay checks in a safe and timely manner. In case you're wondering just how your checks reach you in time for those bills to be paid on the first of the month, here's the story:

Field units and the Division of Mines and Geology, Division of Oil and Gas and Division of Forestry's North Coast and Sierra Cascade Districts receive their checks via the U. S. Mail.

Checks for Forestry's South Sierra District are delivered to the Greyhound bus terminal for transportation.

Checks for Forestry's Central Coast District are delivered directly to the U. S. Post Office Sacramento sectional center, where cooperation from postal clerks speeds the checks on their way.

Southern California District checks are then taken to the Sacramento Airport and mailed air freight.

In reality these are only a few of the varied and demanding tasks the men in the Service and Supply Office perform. As someone has stated, "Fred runs a 'tight' shop."

Stearns, Moran inspect camp, road project in Tehama County

RED BLUFF–The Plum Creek Conservation Camp and the nearby Ishi Trail road project received official inspection on April 13 by Director James Stearns and State Forester Lewis Moran.

The two officials made the trip following a meeting with Tehama County supervisors to discuss the future of the camp program, particularly Plum Creek.

The road construction project, undertaken by forestry crews and conservation camp inmates, was described as an "excellent example of the fine work you fellows do" by Stearns.

Stearns and Moran also met later in the day with the six rangers for the district –G. A. Letson, Butte; N. F. Nicholson, Lassen-Modoc; W. F. (Mike) Brock, Placer-Nevada-Yuba; John Lockhart, Shasta-Trinity; Ralph Smith, Siskiyou; and Howard Bromwell, Tehama-Glenn; and with Deputy State Forester George Grogan and Asst. Deputy Herb Kaufner and Bob Kerstiens, operations officer for Tehama-Glenn.

Grogan, Kaufner, Bromwell and Kersteins accompanied Stearns and Moran on their inspection tour.

'Smokey' committee tours Sonoma

By Ed Karman
Fire Prevention Officer

SANTA ROSA–Sonoma County hosted the California Forest Fire Prevention ("Smokey Bear") Committee in March.

The tour guide, Fire Prevention Officer II John Hess, with Fire Crew Foreman John Bunn chauffering a Black Mountain Conservation Camp bus, picked up the group in San Francisco and visited first the scene of last fall's Oakland-Berkeley hills fire.

Next on the agenda was a trip through Sonoma County's Valley of the Moon, including stops at Sonoma Plaza, Glen Ellen and Jack London State Park.

After lunch, the committee visited the North Coast District headquarters and Sonoma County headquarters, Hilton Forest Fire Station on the Russian River and Armstrong Grove Redwood State Park.

Ranger Frank Crossfield and Asst. Ranger Ed Poe joined the group briefly.

The tour continued on the second day with visits to Black Mountain camp, Fort Ross Historical Monument, Jenner, Bodega Bay and, before returning to San Francisco, a brief pause at Tomales Bay and Point Reyes National Seashore in Marin County.

Asst. Deputy State Forester Robert Burns and FPO Dick Ernest, from the state forester's staff, accompanied the committee.

The CFFP committee is composed of U. S. Forest Service personnel, state foresters and members of the Advertising Council, Inc. The main objective is the reduction of forest fires through a cooperative venture among federal, state and local governments and private industry.

Results of AR and administration post audit

Results of an audit of district business manager, ranger unit administrative officers and assistant state forest ranger positions--conducted during March by a team from the State Personnel Board--were formally presented during two sessions with department officials during April.

A SPB team visited headquarters offices of the North Coast and South Sierra Districts and also 10 ranger units from one end of the state to the other.

One area explored by the SPB team was whether associate rangers functioning as district business managers and ranger unit administrative officers and operations officers could properly be reclassified as "ranger I."

The study team reported to officials of the department and Division of Forestry it felt the reclassification would be proper–but it expressed some doubt about the ranger unit administrative officer duties. The Personnel Board team, however, expressed willingness to include that position with the others once Director James Stearns re-emphasized the department's intention to apply the management development element and rotate employees assigned administrative officer duties in order to provide "full experience."

A lengthy dialogue has been underway in recent weeks regarding the findings on the 224 assistant ranger positions. The ARs are viewed as management personnel by Director Stearns, who also realizes that "at this point, some of them don't know whether they're fish or fowl" and whether they're actually in the fire suppression category or management category.

Sub-unit supervisors

Assistant ranger job specifications describe the position as a "sub-unit supervisor." The director sees additional responsibilities--clearly managerial-type responsibilities--in the future for the AR. He cites increased roles in employer relations, safety programs, monitoring retention standards, increased responsibilities for manpower training and similar duties as being the future for the AR.

"They're gaining managerial responsibilities that didn't even exist two or three years ago," the director noted.

A title change is also being discussed for the AR, with the possibility the position may one day be known as a "ranger I," and a resulting increase in numbers for other rangers, bumping them up to "ranger II", "ranger III" and so forth.

Stearns also noted that title changes for fire suppression levels have been completed "and now it's time to take the next bite" by doing something with the AR title.

Insurance premiums are up

Average premiums on state-sponsored health insurance plans jumped by 25 to 30 pct. as of May 1.

On the "good news" side of the question, the state's financial contribution toward employee insurance increases by $2 to a new total of $12 on July 1.

And, in Sacramento, Assemblyman Robert T. Monagan, R-San Joaquin County, has introduced legislation to provide fully paid (by the state) insurance for employees. "Health insurance premiums are increasing at an astronomical rate," the legislator said.

If Monagan's bill becomes law, the state would pay for employees but the employee would still pay for his dependents covered by the insurance plan.

Riverside area employees involved in defensive driving maneuvers

From the Hemet News

HEMET, Riverside Co.--A course in defense driving for Division of Forestry personnel was held recently at Hemet-Ryan Field here under the supervision of Ryan attack personnel.

Taking part were forestry personnel from Riverside, Pilot Rock and Prado Conservation Camps.

The course, designed under the Smith System of defensive driving, included lectures, slide presentations, films and field exercises.

According to officials of the Division of Forestry, a drive through the community of Hemet is the first test the driver must pass. On this, he is graded for how he makes his turns, parking and how he reacts when arriving at a place where a railroad crossing is, and his attitude as a driver.

Then it's to the classroom where the drivers are told of their mistakes and how they can correct them in the future.

Following lunch, the drivers turn out to the runway of Hemet-Ryan Airport to continue their defensive driving instruction. First there is the "serpentine," in which a driver tries to drive forward and backward without knocking down any of the traffic cones placed there as obstacles.

Then they try their hands at driving in an offset alley, and this is followed by a drive through a diminishing alley--at a speed of 20 miles per hour. In this, the distance between truck and standard reduces in size as the driver proceeds through the course.

Following road work, it's back to the classroom for more slides and a report on each person's individual performance for the day.

The course is offered forestry personnel in hopes they will rid themselves of bad driving habits acquired over the years. Vehicles used for the tests were buses–25 feet long and able to hold 21 persons. All men participating have driven them before, but many showed that their defensive driving skills had "fallen down" in past years.

Forestry salary increase bill introduced at CDFEA request

Salary increases for fire suppression and forestry classes within the Division of Forestry would be provided under terms of legislation introduced at the request of the California Division of Forestry Employees Assn.

The budget proposed for the next fiscal year by Gov. Reagan provides no salary increase for any state employee. (See related story elsewhere in this issue.)

However, SB 845, by State Sen. Donald Grunsky, R-Santa Cruz County, appropriates $5,651,226.

Society of American Foresters tours San Bernardino mountains

By Edward F. Martin

SAN BERNARDINO–The Land Use Committee of the Society of American Foresters toured the San Bernardino Mountains on March 8-9 with Forester III Edward F. Martin as host.

The committee, which was formed in 1970 by action of the SAF National Council, has the responsibility of reviewing forest land uses and making recommendations for participation by the society in land use decisions of national significance.

Participating in the meeting were Chairman Sharon R. Miller, head of forest management and research for the Chesapeake Corp., of Virginia; John A. Beal, assistant director, Wisconsin Department of Natural Resources; Kenneth Burkholder, branch chief, Bureau of Land Management, Portland, Ore.; Leroy K. Kelly assistant regional forester, Region 9, U. S. Forest Service; Neal Rahn, regional forester, Region 1; and Martin.

Hardy Glascock, executive vice president of the SAF and Tobe Arvola, deputy state forester for the Division of Forestry and a national councilman for the SAF, also participated.